

USPS Pricing Engine SDK

09/18/2020

Summary

This is the Domestic and International Pricing Engine SDK (version 11.9.2.0) for the September 2020 Release. The following is a list of enhancements included in this release.

BNS 42900 – Peak Pricing

Peak Pricing is implemented when the mail date falls within the configurable date range (**10/18/2020 through 12/27/2020**) and revert to standard pricing outside of the configurable peak date range.

Peak Pricing affects the following Domestic mail services

- PME
- PM
- FCPS
- Parcel Select
- Parcel Return Services

The configuration files now have the following dates associated with the following price tables.

The xml example below is how to use the priceTable parameter.

- The first line has no priceTable parameter so it will default to “Prices” table.
- The second line has a priceTable parameter and it is specifying “PeakPrices” table so it will target the October prices.
- The third line has a priceTable parameter and it is specifying “Prices” so it will target “Prices” table which is the default value.

```
<datasourceVersions>

    <add startDate="01/26/2020" connectionVersion="R2001" />

    <add startDate="10/18/2020" connectionVersion="R2001" priceTable="PeakPrices" />

    <add startDate="12/27/2020" connectionVersion="R2001" priceTable="Prices" />

</datasourceVersions>
```

B-451947– Change Kahala Exception

Changing Exception to not include business logic of the code.

It is now more user friendly – “Postal Code Lookup service is not available at this moment, please try again later.”

D-52112- Parcel Select Not Returning Oversized Pricing

The business calculators were previously not returning correct pricing for oversized.

D-54323 Change Kahala Exception Not Returning Mail Services

Corrected a condition where a TCP connection error to the SDC would result in no mail services being returned. Changed the code to return the mail services available. Express Mail Guaranteed will have a service commitment using default commitment time ranges, ex: "3 - 5 business days to many major markets^{1,2}".

Updated DLLs

All the libraries have been updated.

Impact on Existing Applications

You will not have to rebuild existing applications.

Instructions

1. Copy the DLLs
2. Run the following SQL scripts in the order that they are listed in the table below on the associated databases.

Contents

Description	File
Folder	SQL
Folder	Domestic
Database	USPS_DOM_2020_01
SQL Script	BNS 42900 - Implement Peak Pricing - Create Prices Table.sql
SQL Script	BNS 42900 - Implement Peak Pricing - Populate Prices.sql
Folder	International
Database	USPS_INTL_2020_01
SQL Script	BNS 42900 - Implement Peak Pricing - Create Prices Table.sql
SQL Script	BNS 42900 - Implement Peak Pricing - Populate Prices.sql
Folder	DLL
Library	CustomFormsEngine.dll
Library	RateEngine_Framework.dll
Library	RateEngine_Business.dll
Library	RateEngine_DomBusiness.dll

Library	RateEngine_IntlBusiness.dll
Library	ServiceDeliveryExtensions.dll
Folder	Documentation
SDK Release Notes	USPS Pricing Engine SDK 11_9_2_0.pdf
Web Services Release Notes	USPS Pricing Engine WS 11_9_2_0.pdf

Reported Defects and Change Request

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